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Application No. 09/736,232  
Amendment dated December 26, 2006  
Reply to Office Action of September 25, 2006

Docket No.: 65856-0025

DEC 26 2006

**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A method of determining at least one of a torsional acceleration and an inertia of a vehicle driveline configuration comprising the steps of entering measurements for the vehicle driveline configuration into a graphical user interface program; and  
  
determining an inertia of the vehicle driveline based on the entered measurements.
2. (Previously Presented) The method of Claim 1, further including the step of selecting a representative vehicle driveline configuration from a plurality of driveline configurations prior to entering measurements of the vehicle driveline configuration into the graphical user interface program.
3. (Original) The method of Claim 1, wherein the graphical user interface program includes a corrective mode for enabling a user to interactively change the entered measurements of the vehicle driveline configuration to determine one of the torsional acceleration and the inertia of the vehicle driveline configuration.
4. (Original) The method of Claim 1, further including the step of printing a worksheet to aide a user in entering of the measurements for the vehicle driveline configuration.

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5. (Currently Amended) The method of Claim 1, further including the step of printing results from the determination of ~~one of the torsional acceleration and~~ the inertia for the vehicle driveline configuration.

6. (Currently Amended) The method of Claim 1, further including the step of saving results from the determination of ~~one of the torsional acceleration and~~ the inertia for the vehicle driveline configuration as an image file.

7. (Currently Amended) A method of diagnosing and correcting driveline angles and lengths of components of a vehicle driveline, comprising the steps of:

selecting a representative vehicle driveline from a plurality of saved driveline configurations;

entering measurements of the vehicle driveline into a graphical user interface program;

determining ~~one of a torsional acceleration and~~ an inertia of the vehicle driveline based on the entered measurements of the driveline angles and lengths of the components; and

enabling a user to interactively change the entered measurements of the vehicle driveline to determine one of the torsional acceleration and the inertia of the vehicle driveline.

8. (Canceled)

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9. (Original) The method of Claim 7, further including the step of printing a worksheet to aide a user in entering of the measurements for the vehicle driveline.

10. (Previously Presented) The method of Claim 7, further including the step of printing results from the determination.

11. (Previously Presented) The method of Claim 7, further including the step of saving results from the determination as an image file.

12. (Currently Amended) A method of determining one of a torsional acceleration and a driveline inertia of a desired vehicle driveline configuration, comprising the steps of:  
selecting a vehicle driveline configuration from a plurality of driveline configurations;  
entering measurement data for the desired vehicle driveline configuration;  
determining the driveline inertia of the desired vehicle driveline configuration based on the entered measurements; and  
displaying a driveline inertia of the desired vehicle driveline configuration.

13. (Previously Presented) The method of Claim 12, further including the step of enabling a user to interactively change the entered measurements of the desired vehicle driveline configuration to determine the torsional acceleration of the vehicle driveline configuration.

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14. (Previously Presented) The method of Claim 12, further including the step of printing a worksheet to aide a user in entering of the measurements for the desired vehicle driveline configuration.

15. (Previously Presented) The method of Claim 12, further including the step of printing results from the determination the driveline inertia for the desired vehicle driveline configuration.

16. (Previously Presented) The method of Claim 12, further including the step of saving results from the determination of the driveline inertia for the desired vehicle driveline configuration as an image file.

17. (Previously Presented) The method of Claim 1, further comprising selecting a representative vehicle driveline from a plurality of saved driveline configurations, wherein the step of selecting includes comparing a picture of a selectable driveline configuration to the vehicle driveline.

18. (Previously Presented) The method of Claim 7, wherein the step of selecting includes comparing a picture of a selectable driveline configuration to the vehicle driveline.

19. (Previously Presented) The method of Claim 12, wherein the driveline inertia is a drive inertia.

20. (Previously Presented) The method of Claim 12, wherein the driveline inertia is a coast inertia.

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21. (Previously Presented) The method of Claim 12, further comprising selecting a representative vehicle driveline from a plurality of saved driveline configurations.